

# Digital Imaging Network



Naval Dental Center  
Pearl Harbor, HI

**NAVAL DENTAL CENTER  
PEARL HARBOR**

**SERVICE TO THE FLEET**

- 58 straight deployable units 100% ready
- 95+% Dental Readiness
- Innovative Enterprise System  
*Improved service and quality*

# SERVICE TO THE FLEET

- Increased profitability by \$2 million
  - *Business practices analyzed by DOD*
- Highest alignment of any MTF/DTF in the Navy ( IG results)
- Hawaii State Award of Excellence Winner

# OUR X-RAY VISION



- Establish a Command-Wide Digital Radiography Network
- Increase clinical efficiency and quality
- Plank owner of Navy wide system

***READY FOR THE 21ST CENTURY***

# The Wonders of Digital Radiography

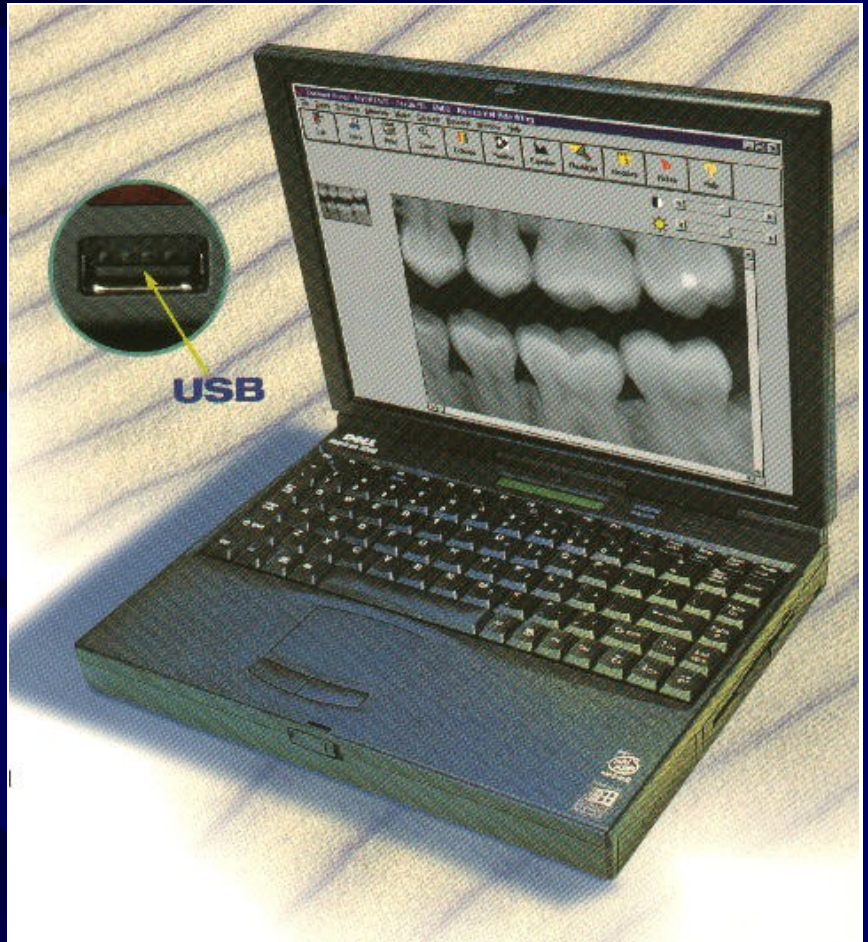
- No chemicals - Environmentally friendly
- 60-90% less radiation to the patients
- 93% less time to develop x-ray  
*(30 seconds vs 7.5 minutes)*
- Dramatic increase in clinical efficiency
- Electronic dental record

# ENDODONTICS DEPARTMENT

- One digital radiographic unit
- 1995 - 4 Endodontists - 539 Root canals
- 1998 - 1 Endodontist / 1 General Dentist                      1009 Root Canals
- 85% increase in production

# SCHICK TECHNOLOGY

- Meets dicom standard
- 130 networks worldwide
- 90% of all military networks
- Rated better than X-ray quality
- Hickam AFB
- Pentagon



# SYSTEM COST

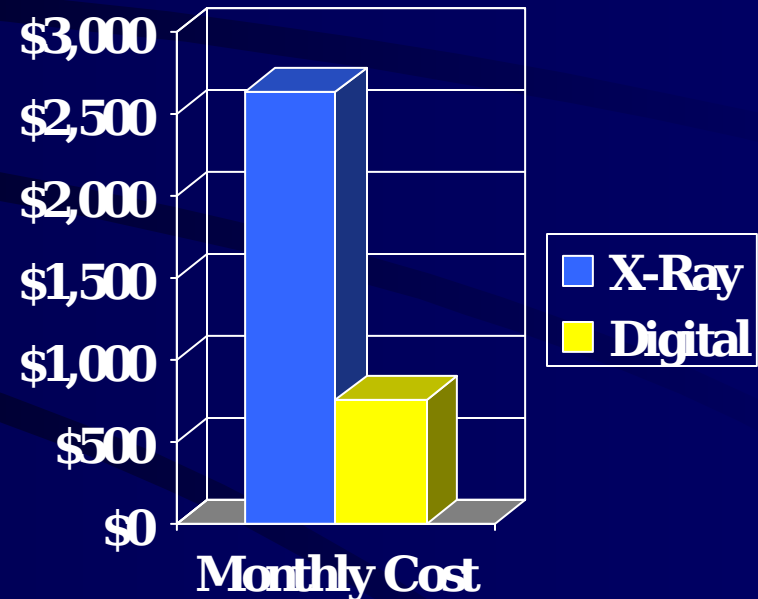
*\$130,000*

- 5 clinic network
- 25 digital radiographic work stations
- Navy wide transmittal capability
- T-1 connectivity



# *Conventional vs Digital Consumable Cost Comparison*

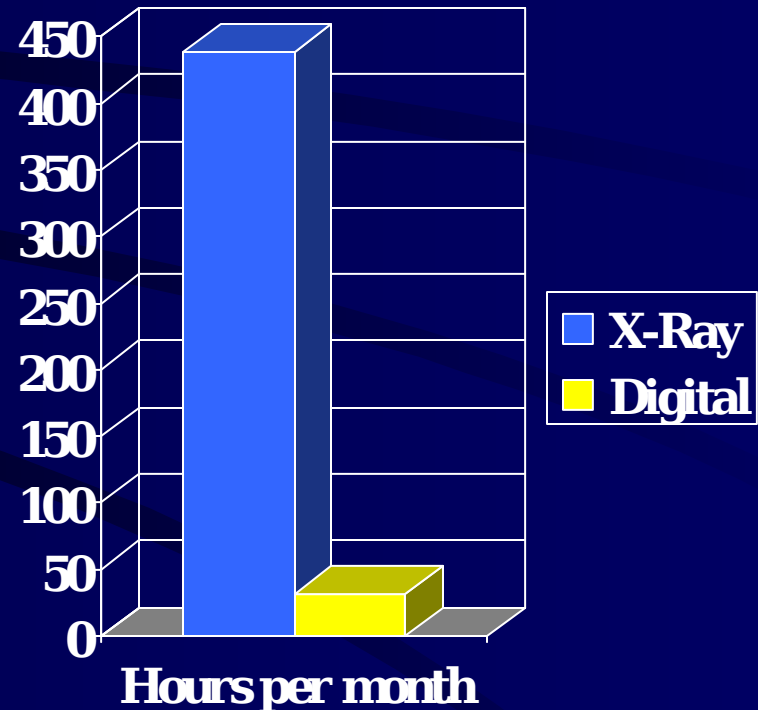
- Monthly consumable savings = \$1880
- Includes film, chemicals, processing costs
- More treatment for Fleet sailors



**\$1880 Savings**

# *Conventional vs Digital Labor Comparison*

- 93% less time to take and develop X-rays
- \$12,210 monthly savings
- More time to treat Fleet sailors
- Improved dental health to the Fleet



**\$12,210 Savings**

# FLEET REWARDS

- Reduced # of Specialty Consults
  - ***200 patient hours saved per month***
- Increased treatment time for providers
  - ***10 - 30% increased productivity***
  - ***Increased ODR, DHI, & elective procedures***
- Increased Utilization of Mobile Dental Vans
  - ***20% increase in number of exams***
  - ***125 Fleet patient hours saved per month***

# FLEET REWARDS

- One Stop Shopping
  - *Combining exams and treatment*
- Increased Operational Dental Readiness
  - *Continued deployment of Fleet at 100%*
- Increased Dental Health
  - *A healthy sailor is priceless*
- Increased Quality of Care
  - *Esthetic and elective dentistry*
- Increased Customer Satisfaction
  - *Quality of Life is a huge retention issue*

# Dental Digital Imaging Network

## **BOTTOM LINE**

*Safe*

*Environmentally Sound*

*Clinically Efficient*

*Highest Quality*

*and*

***SAVES THE FLEET TIME AND  
MONEY!***